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Abstract

Method for the production of an optical transmission element comprising a filled chamber element and optical transmission element

The invention relates to a method for the production of an optical transmission element (BA) comprising at least one optical waveguide (LW) and comprising a chamber element (AH) surrounding the optical waveguide and enclosing an internal space. A foamed filler composition (FM) is applied discontinuously to the optical waveguide (LW) and the optical waveguide (LW) is subsequently supplied to an extruder (EX), the latter forming a chamber element (AH) around the optical waveguide. The filler composition (FM) stabilizes within the chamber element (AH) formed and, in the final state, forms a plurality of dry compressible filler elements (FE, FE1 to FE4), each surrounding the optical waveguide. A dry and readily manipulable optical transmission element is thus present. A discharge of filler composition and an escape of the optical waveguides from the transmission element are prevented.

Figure 1